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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/736,816	12/16/2003	Chang Ho Do	CU-3463 VE	5399	
26530	7590 12/10/2004		EXAM	EXAMINER	
LADAS & PARRY LLP			CUNNINGHAM, TERRY D		
224 SOUTH MICHIGAN AVENUE SUITE 1200			ART UNIT	PAPER NUMBER	
CHICAGO, IL 60604			2816		
		DATE MAILED: 12/10/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary    10/736,816		Application No.	Applicant(s)				
Terry D. Curningham  2816  Terry D. Curningham  2816  Period for Repty  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE of THIS COMMUNICATION.  - Electricine of time may be available used or the provisions of 37 CPR 1.13(a). In or word, however, may a reply be timely titled after 518 communication.  - The MAILING DATE of THIS COMMUNICATION Electricine of time may be available used or the provisions of 37 CPR 1.13(a). In or word, however, may a reply be timely titled after 518 (b) (MONTH) from the mailing date of this communication.  - The period for reply acceled above is less than this QDJ days, a reply without the attackery shimler of this QDJ days are application to be excelled and the secondarial control of the status of the sta		10/736,816	DO, CHANG HO				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Educations of time may be available under the profession of 37 CPR 1.136(e). In covered, however, may a reply be timely filled  - If the period for reply a specified above is less than birty (30) days, is no event, however, may a reply be timely filled  - If the period for reply a specified above is less than birty (30) days, is no event, however, may a reply be timely filled  - If the period for reply a specified above is less than birty (30) days, will be considered filled.  - If the period for reply a specified above is less than birty (30) days, will be considered filled.  - If the period for reply a specified above is less than birty (30) days, will be considered filled.  - If the period for reply a specified down, in maximum stations period will apply an extended participation of the period of this communication.  - If the period for reply a specified above is less than birty (30) days will be considered filled.  - If the period for reply a specified down, in maximum stations period will be considered filled.  - If the period for reply a specified of this communication.  - If the period for reply a specified of this communication.  - If the period is the specification is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  - Disposition of Claims  - A) Claim(s) 1-2 is/are pending in the application.  - A) Claim(s) 1-2 is/are a pending in the application.  - A) Of the above claim(s) is safe a pending in the application.  - A) Of the above claim(s) is safe a pending in the application.  - Claim(s) 1-2 is/are a plected to by the Examiner.  - Claim(s) 1-2 is/are a plected to by the Examiner.  - (Diam(s) 1-2 is/are a plected to by the Examiner.  - (Diam(s) 1	Office Action Summary	Examiner	Art Unit				
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THE MAILING DATE OF THIS COMMUNICATION.  - Estandous of time may be sublished under the provisions of 37 CFR 1.13(e). In no event, however, may a reply be tirrely filed after SK (6) MONTHS from the mailing date of this communication.  - Follows for reply is petitional deven, the maximus activation of the pays that the statistic provision is subjected to the communication.  - Follows for reply is petitional deven, the maximus activation provision and the mailing date of this communication.  - Follows for reply is petitional deven, the maximus pays and village place (18) MONTHS from the making date of this communication, reply with the provision of the provision of the provision and the maximus pays and village place of the communication, even if timely filed, may reduce any servind patent term edipathment. See 37 CFR 1.734(e).  - Status  1)							
1) Responsive to communication(s) filed on	A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any						
2a)  This action is FINAL. 2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-9 is/are pending in the application. 4a) Of the above claim(s)  is/are withdrawn from consideration. 5)  Claim(s)  is/are allowed. 6)  Claim(s)  is/are allowed. 6)  Claim(s)  is/are objected to. 8)  Claim(s)  is/are objected to. 8)  Claim(s)  is/are objected to. 9)  The specification is objected to by the Examiner. 10)  The drawing(s) filed on 16 December 2003 is/are: a)  accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)  All   b)  Some * c)  None of: 1.  Certified copies of the priority documents have been received. 2.  Certified copies of the priority documents have been received in Application No 3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for a list of the certified copies not received.  Attachment(s) 1) Notice of References Citael (PTO-982)	Status						
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Art Unit: 2816

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

Claims 1-9 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, there is no support for the "first differential amplifier" and the "second differential amplifier" each providing a respective "differential signal" which is provided to the "driver". As expressly disclosed in the specification and seen in the drawings, the differential amplifiers each provide a single ended output signal (i.e., not "differential" or complementary) to the "driver".

Claims 2-6 are rejected as including the indefiniteness discussed above with claim 1.

Claims 7-9 are rejected for similar reasons as claims 1-6.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Park (USPN 6,265,858). Park discloses, in Fig. 6, a circuit comprising: "a reference voltage divider (20) for generating first (Vref1) and second (Vref2) reference voltages"; "a first differential amplifier (DA2) for receiving the first reference voltage"; "a second differential amplifier (DA1) for receiving the second reference voltage"; and "a driver (22) being driven by the first and second differential signals", all connected and operating similarly as recited by Applicant...

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Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Terry Cunningham whose telephone number is 571-272-1742.

The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Timothy P. Callahan can be reached on 571-272-1740. The fax phone number for

the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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